

WHAT IS CLAIMED IS:

Sub B1 1. An entertainment system in which plural entertainment devices are interconnected via a communication channel, wherein

said plural entertainment devices are interconnected via a synchronization signal transmission channel and a status change information transmission channel; and wherein

at least one of said entertainment devices generates picture signals in synchronism with the synchronization signals transmitted via said synchronization signal transmission channel based on the status change information of the own machine and the status change information sent from other than the own machine via said status change information transmission channel.

2. The entertainment system according to claim 1 comprising:

a memory in which picture data is written, and

display control means having a synchronization signal input terminal to which are entered synchronization signals from outside, sent over said synchronization signal transmission channel, said display control means having the function of outputting as picture signals picture data written in said memory in synchronism with synchronization signals from outside.

3. The entertainment system according to claim 2 wherein there are recorded in said memory picture data generated on

the basis of the status change information of the own machine and picture data generated on the basis of the status change information sent from other than the own machine over said synchronization signal transmission channel.

4. The entertainment system according to claim 2 wherein said display control means brings the frame numbers of the picture signals into coincidence using said synchronization information for achieving frame synchronization.

5. The entertainment system according to claim 2 wherein said display control means further includes a picture input terminal to which picture signals from outside are entered and has the function of writing the input picture signals in said memory.

6. An entertainment system comprising:

a plurality of entertainment devices; and

a signal send-out device for sending out at least synchronization signals;

said entertainment devices generating picture signals in synchronism with synchronization signals sent from said signal send-out device based on the status change information of the own machine and the status change information sent from other than the own machine.

7. The entertainment system according to claim 6 comprising:

a memory in which picture data is written; and

display control means having a synchronization signal

input terminal to which are entered synchronization signals from outside, said display control means having the function of outputting as picture signals picture data written in said memory in synchronism with synchronization signals from outside.

8. The entertainment system according to claim 7 wherein there are recorded in said memory picture data generated on the basis of the status change information of the own machine and picture data generated on the basis of the status change information sent from other than the own machine.

9. The entertainment system according to claim 7 wherein said display control means brings the frame numbers of picture signals into coincidence using said synchronization information to effect frame synchronization.

10. The entertainment system according to claim 7 wherein said display control means further includes a picture input terminal to which are entered picture signals from outside and has the function of recording the input picture signals in said memory.

11. A picture display apparatus for displaying picture signals on a display unit comprising:

a memory in which are recorded plural picture data;

display control means including a synchronization information input terminal to which is entered the

synchronization information from outside, and having the function of outputting picture signals by picture data written in said memory in synchronism with the synchronization information from outside; and

a picture output terminal for outputting said picture signals to outside.

12. The picture display apparatus according to claim 11 wherein said display control means brings the frame numbers of picture signals into coincidence using said synchronization information to effect frame synchronization.

13. The picture display apparatus according to claim 11 further comprising:

a status change information input terminal to which is entered the status change information supplied on the basis of an application program for game.

14. The picture display apparatus according to claim 11 wherein said display control means further includes a picture input terminal to which are entered picture signals from outside and has the function of writing the input picture data in said memory.

15. The picture display apparatus according to claim 14 wherein said display control means uses the synchronization information of picture signals entering said picture input terminal to effect synchronization.

16. The picture display apparatus according to claim 11

~~Further comprising:~~

broadcast receiving means for receiving telecast signals;  
wherein

synchronization signals for telecast signals from said  
broadcast receiving means being supplied to said  
synchronization information input terminal to effect  
synchronization.

17. The picture display apparatus according to claim 16  
wherein said display control means further includes a picture  
input terminal to which are entered picture signals from  
outside; wherein

picture signals of the telecast signals from said broadcast  
receiving means are sent to said picture input terminal.

18. The picture display apparatus according to claim 11  
wherein said display control means further includes a picture  
output auxiliary terminal for independently outputting picture  
signals by plural picture data written in said memory.

19. The picture display apparatus according to claim 18  
wherein independently outputted two picture signals are left  
and right independent picture signals for affording the  
parallax.

20. The picture display apparatus according to claim 11  
further comprising:

broadcast reception means for receiving game-dedicated  
broadcast; wherein

said display control means further includes a picture input terminal to which are entered picture signals from outside; and wherein

synchronization signals for the game dedicated broadcast received by said

broadcast reception means are sent to said synchronization information input terminal to effect synchronization; the picture signals for the game-dedicated picture signals received by said broadcast reception means being sent to said picture input terminal.

21. A picture processing apparatus in which picture display devices for picture signals on a display unit are interconnected over a communication network, comprising:

a first picture display device having a memory in which are written plural picture data, display control means for outputting picture signals by picture data written in said memory and a picture output terminal for outputting said picture data to outside; and

a second picture display device having a memory in which are written plural picture data and display control means including a picture input terminal to which are entered picture data from other picture display means via said communication network, said display control means having the function of outputting picture signals by said picture data written in said memory in synchronism with the

synchronization information for said input picture data.

22. The picture processing apparatus according to claim 21 wherein said second picture display device outputs picture signals by picture data written in said memory in synchronism with the synchronization information entering said second picture display device from said first picture display device via a communication network.

23. The picture processing apparatus according to claim 21 wherein said second picture display device brings the frame numbers of the picture signals into coincidence using said synchronization information in order to effect frame synchronization.

24. The picture processing apparatus according to claim 21 wherein said first picture display device further includes a picture input terminal to which are entered picture signals from other picture display devices, said first picture display device effecting synchronization using the synchronization information for the input picture signals.

25. The picture processing apparatus according to claim 21 wherein said first and second picture display devices further include broadcast reception means for receiving telecast signals to enter the received signals to said picture input terminal, said first and second picture display devices effecting synchronization using the synchronization information of the telecast signals.

26. The picture processing apparatus according to claim 25 wherein said first and second picture display devices bring the frame numbers of the picture signals into coincidence using the synchronization information to effect frame synchronization.

27. The picture processing apparatus according to claim 25 wherein said telecast signals are transmitted by a satellite network.

28. The picture processing apparatus according to claim 21 wherein said first and second picture display devices further include picture output auxiliary terminals for independently outputting respective picture signals by plural picture data written in said memory.

29. The picture processing apparatus according to claim 28 wherein two picture signals independently outputted by said picture display means are left and right independent picture signals which afford the parallax.

30. The picture processing apparatus according to claim 21 wherein said first and second picture display devices further include status change information input terminals to which is entered the status change information supplied on the basis of an application program for game.

31. The picture processing apparatus according to claim 30 wherein each display control means measures the transmission time in which the status change information from other



picture display means is transmitted via said communication network, using telecast signals as the common time information, said display control means performing synchronization control of each picture signal using the transmission time.

32. The picture processing apparatus according to claim 30 wherein said status change information is transmitted over a telephone network.

33. An information processing apparatus comprising:

two picture display devices each having a memory in which are written plural picture data, display control means having a synchronization information input terminal to which is entered the synchronization information from outside and which has the function of synchronizing picture signals by picture data written in said memory with said synchronization information and outputting the synchronized picture signals, broadcast reception means for receiving telecast signals transmitted via satellite network for supplying the synchronization information thereof to said synchronization information input terminal and a picture output terminal for outputting said picture data to outside;

the picture input terminal of one of said picture display devices being connected to the picture output terminal of the other picture display device via a communication modem by a telephone network for mutually transmitting the picture

data.

34. An information processing apparatus comprising:

a plurality of picture display devices each having a memory in which are written plural picture data, display control means having a synchronization information input terminal to which the synchronization information from outside is entered, said display control means having the function of outputting picture signals by picture data written in said memory in synchronism with said synchronization information, broadcast reception means for receiving telecast signals transmitted by a satellite network for supplying the synchronization information thereof to said synchronization information input terminal and a picture output terminal for outputting said picture data to outside;

a host station having the function of relaying picture data transmitted between the picture display devices and controlling the satellite network; and

a telephone network for interconnecting the host station and the picture display devices via a communication modem for mutually transmitting the picture data.

35. A synchronization processing method for outputting picture signals displayed on each display unit of an information processing apparatus having a plurality of picture display units interconnected by a communication network, in synchronism with synchronization signals from outside,

comprising:

a memory writing step of writing plural picture data in a memory;

a synchronization controlling step of synchronizing picture signals by picture data written in said memory with the synchronization information entered from outside; and

a picture outputting step of outputting said picture signals.

36. The synchronization processing method according to claim 35 wherein said synchronization control step brings the frame numbers of picture signals into coincidence using said synchronization information to effect frame synchronization.

37. The synchronization processing method according to claim 35 wherein said synchronization control step effects synchronization using the synchronization information of picture signals entered from other picture display devices.

38. The synchronization processing method according to claim 35 wherein said synchronization control step effects synchronization using the synchronization information of telecast signals.

39. The synchronization processing method according to claim 38 wherein said television broadcast signals are transmitted via a satellite network.

40. The synchronization processing method according to claim 35 wherein said synchronization control step measures

the transmission time of transmitting data from said other picture display means over said communication network, using the telecast signals as the common time information, and wherein said synchronization control step effects synchronization control using the transmission time.

41. The synchronization processing method according to claim 35 wherein said communication network is constituted by a telephone network.

42. The synchronization processing method according to claim 35 wherein said picture outputting step independently outputs the picture signals by plural picture data written in said memory.

43. The synchronization processing method according to claim 42 wherein independently outputted two picture signals are left and right independent picture signals affording the parallax.

44. The synchronization processing method according to claim 35 wherein the status change information generated on the basis of the apparatus for game is supplied and the picture signals are generated in synchronism with said synchronization signals based on said synchronization signals.